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State Well Number	6817403
County	Bandera
River Basin	San Antonio
Groundwater Management Area	9
Regional Water Planning Area	J - Plateau
Groundwater Conservation District	Bandera County RA & GWD
Latitude (decimal degrees)	29.6996028
Latitude (degrees minutes seconds)	29° 41' 58.57" N
Longitude (decimal degrees)	-98.9753444
Longitude (degrees minutes seconds)	098° 58' 31.24" W
Coordinate Source	Global Positioning System - GPS
Aquifer Code	218GLRSL - Glen Rose Limestone, Lower Member
Aquifer	Trinity
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	1097
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	
Well Depth Source	
Drilling Start Date	
Drilling End Date	
Drilling Method	
Borehole Completion	

Well Type	Spring
Well Use	
Water Level Observation	None
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	McSween Ranch Coal Springs
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	8/20/1991
Last Update Date	12/7/2017

Remarks Owner's Coal Springs. Springs discharge into Medina River in 2 locations. Discharge estimated 5000 GPM from both springs in 1991.

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis

Sample Date: 8/8/2017 **Sample Time:** 1530 **Sample Number:** 1 **Collection Entity:** Barton Springs/Edwards Aquifer CD

Sampled Aquifer: Glen Rose Limestone, Lower Member

Analyzed Lab: LCRA - Lower Colorado River Authority

Reliability: Sampled using TWDB protocols

Collection Remarks: Lab Calculated Anion/Cation Chg Bal set to TWDB Calculated Value due to an error in the lab calculated formula

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00425	ALKALINITY, BICARBONATE DISSOLVED (MG/L), LAB		158	mg/L	
00430	ALKALINITY, CARBONATE DISSOLVED (MG/L), LAB		0	mg/L	
00420	ALKALINITY, HYDROXIDE DISSOLVED (MG/L), LAB		0	mg/L	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		158	mg/L	
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	5	ug/L	
50938	ANION/CATION CHG BAL, PERCENT		-3.9421	PCT	
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	1	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	1	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		30	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		192.815	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		62.5	ug/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.0719	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		59.1	mg/L	
28004	CARBON-14 DISS APPARENT AGE (YEARS BP)		360	Y-BP	
82172	CARBON-14 FRACTION MODERN		0.9564		0.0035
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		10.3	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	<	1	ug/L	
01035	COBALT, DISSOLVED (UG/L AS CO)	<	1	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)	<	1	ug/L	
82081	DELTA CARBON 13 C13/C12 PER MIL		-9.6	0/00	
50791	DEUTERIUM, EXPRESSED AS PERMIL VSMOW		-26.1	0/00	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.254	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO3)		215.32	mg/L	
01046	IRON, DISSOLVED (UG/L AS FE)	<	50	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	1	ug/L	
01130	LITHIUM, DISSOLVED (UG/L AS LI)		4.98	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		16.2	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	1	ug/L	
71890	MERCURY, DISSOLVED (UG/L AS HG)	<	0.2	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)		1.63	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		4.87	mg/L	

**Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number
68-17-403**

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)		1.1	mg/L	
50790	OXYGEN-18, EXPRESSED AS PERMIL VSMOW		-4.28	0/00	
00400	PH (STANDARD UNITS), FIELD		8.5	SU	
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)		0.0238	mg/L	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		1.8	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
01145	SELENIUM, DISSOLVED (UG/L AS SE)	<	5	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		11.7	mg/L	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	1	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.211		
00932	SODIUM, CALCULATED, PERCENT		6.736	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		7.11	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		724	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		873	ug/L	
48297	STRONTIUM, ISOTOPE OF MASS 86 AND 87 RATIO		0.707686	N/A	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		71.9	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		25.56	C	
01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	1	ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		278.914	mg/L	
07012	TRITIUM IN WATER (TRITIUM UNITS)		1.99	TU	0.09
22703	URANIUM, NATURAL, DISSOLVED (UG/L AS U)	<	1	ug/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)		1.75	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)	<	5	ug/L	

* Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..

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